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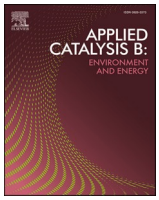

Corrigendum

Corrigendum to "Amplifying photoreduction efficacy of Bi-Sb bimetallic nanocrystals: Manipulating carrier dynamics to boost CO_2-to-CO conversion" [Appl. Catal. B Environ. 340 (2024) 123272]

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The author regrets the inaccurate bandgap and valence band data in Fig. 3 in the online version due to incorrect tangent drawing method, and has made the following corrections. However, this correction does not affect the final conclusion. The author deeply apologizes for any inconvenience caused.

Compared with CBB (2.58 eV) and CSB (2.46 eV), the band gap widths of CBSB-1 were significantly reduced to 2.38 eV, which might be due to the hybridization effect between the atomic orbitals of Sb^{3+} and the valence or conduction atomic orbitals of CBB, further inducing the emergence of local energy levels. The spectrum edge of VB-XPS decreases from 2.19 eV to 1.74 eV with Sb doping, confirming the change of crystal VB top.

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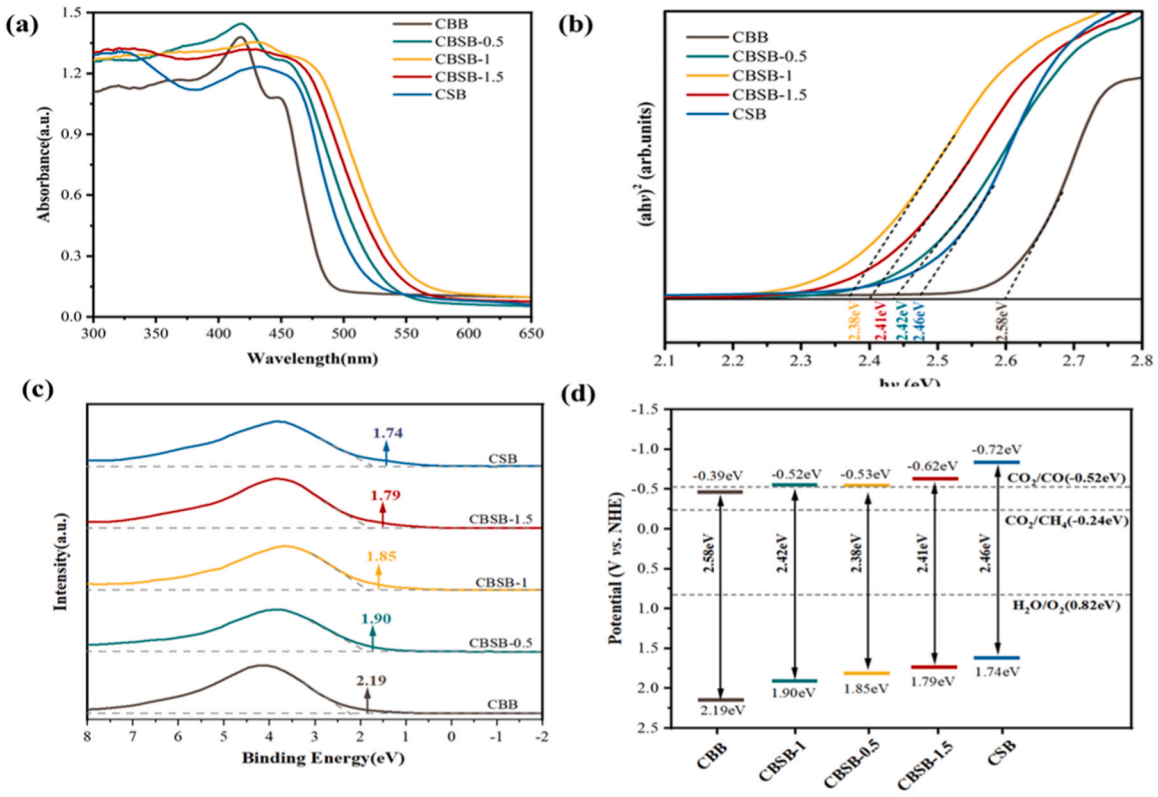

Fig. 3. UV–vis DRS spectra (a), $(\alpha hv)^2$ vs. light energy based on UV–vis DRS (b), VB-XPS spectra (c) and band structure (d) of CBB, CBSB-x and CSB.